

### REMARKS

The Office Action dated July 27, 2006, has been received and carefully noted. The above amendments to the claims, and the following remarks, are submitted as a full and complete response thereto.

Claims 1, 8-11, 14-15, 17-31 and 33 have been amended to more particularly point out and distinctly claim the subject matter of the invention. Claim 34 has been added. No new matter has been added, and no new issues are raised which require further consideration and/or search. Claims 1-34 are submitted for consideration

Claims 1-5, 7-12, 14, 16-21, 23-28, 30, and 32-33 were rejected under 35 U.S.C. §102(e) as being anticipated by U.S. Patent Publication No. 2004/0116110 to Amerga. The rejection is traversed as being based on a reference that neither teaches nor suggests the novel combination of features clearly recited in independent claims 1, 17 and 33 and the dependent claims thereon, in addition to newly added claim 34.

As noted above, claims 1-5, 7-12, 14, 16-21, 23-28, 30, and 32-33 were rejected under 35 USC §102(e) as being anticipated by Amerga. The filing date of the published U.S. Application to Amerga is August 27, 2003, which is after the priority date of October 23, 2002 of the current application. However, Amerga claims priority from U.S. provisional application 60/406,455 filed on August 27, 2002. Thus, under 35 U.S.C. 102(e) the subject matter which is supported by the disclosure of the provisional application of Amerga is the only information that is available as prior art and not information in the published application that is not supported by the provisional application as noted in the Office Action.

Hence, the rejection under 35 U.S.C. 102(e) is traversed in view of the disclosure of the provisional application of Amerga which provides support for the subject matter of the published application.

Claim 1, upon which claims 2-16 depend, recites a radio resource control method in a mobile communication system including camping, in an idle state, on a serving cell formed by a base station and receiving, in the user equipment, control information for controlling cell change procedures of the user equipment, the cell change being conducted from the serving cell to a target cell. The method also includes performing, in the user equipment, the cell change procedures based on the received control information and adjusting, before the control information is received, at least one element of the control information according to a predetermined time pattern, thus forming adjusted control information. The method further includes controlling the cell change procedures based on the adjusted control information, wherein at least one neighbor cell is formed by a neighbor base station and the user equipment capable of receiving signals from the base stations.

Claim 17, upon which claims 18-32 depend, recites a mobile communication system including a network part for providing the fixed infrastructure of the mobile communication system, the network part including a serving base station for forming a serving cell and a neighbor base station for forming a neighbor cell. The system includes a user equipment including a receiving device configured to receive signals from the serving base station and from the neighbour base station. The network part further

includes a control device configured to control cell change procedures with control information, the cell change being conducted from the serving cell to a target cell. The user equipment further includes a cell change procedure device configured to perform cell change procedures based on control information received from the network part. The receiving device and the cell change procedure device are configured to camp on the serving cell in an idle state. The network part further includes an adjusting device configured to adjust at least one element of the control information according to a predetermined time pattern, thus forming adjusted control information.

Claim 33 recites a network element of a mobile communication system, which includes a serving base station configured to form a serving cell and a neighbor base station configured to form a neighbour cell. The system also includes a user equipment camped on the serving cell in an idle state and including a receiving device configured to receive signals from the serving base station and from the neighbour base station. The user equipment further includes a cell change procedure device configured to perform cell change procedures based on control information and a control means device configured to control cell change procedures with control information. The cell change is conducted from the serving cell to a target cell. The network element further includes an adjusting device configured to adjust at least one element of the control information according to a predetermined time pattern, thus forming adjusted control information.

As outlined below, Applicants submit that Amerga does not teach or suggest the elements of the presently pending claims.

The provisional application of Amerga includes two sections. The first section titled “WCDMA Physical Layer Requirements for Cell Selection and Reselection” discusses physical layer requirements and implementation details for the cell selection and reselection procedures. Specifically, the first section focuses on the computation of the S criterion to determine cell selection or reselection conditions. See Introduction Section of WCDMA Physical Layer Requirements for Cell Selection and Reselection. The second section titled “Sleep Mode Search Scheduling” outlines sleep mode search algorithm used by a dual mode user equipment during the online period of the sleep time line. Specifically, this section discloses a reacquisition search procedure for when the user equipment comes out of sleep and a set of parameter for searching active and monitored cells.

Applicants submit that Amerga provisional application simply does not teach or suggest each element recited in any of the independent claims. Each of independent claims 1, 17 and 33, in part, recites receiving, in the user equipment, control information for controlling cell change procedures of the user equipment, the cell change being conducted from the serving cell to a target cell, performing, in the user equipment, the cell change procedures based on the received control information, adjusting, before the control information is received, at least one element of the control information according to a predetermined time pattern, thus forming adjusted control information and controlling the cell change procedures based on the adjusted control information, wherein

at least one neighbor cell is formed by a neighbor base station and the user equipment capable of receiving signals from the base stations.

Applicant submits that the titled section “WCDMA Physical Layer Requirements for Cell Selection and Reselection” of the Amerga provisional application is not relevant since it fails to disclose any cell change procedures relating to a user equipment in an idle state. Furthermore, the second section of the Amerga provisional application titled “Sleep Mode Search Scheduling” fails to teach or suggest receiving, in the user equipment, control information for controlling cell change procedures of the user equipment, the cell change being conducted from the serving cell to a target cell, performing, in the user equipment, the cell change procedures based on the received control information, adjusting, before the control information is received, at least one element of the control information according to a predetermined time pattern, thus forming adjusted control information and controlling the cell change procedures based on the adjusted control information, wherein at least one neighbor cell is formed by a neighbor base station and the user equipment capable of receiving signals from the base stations, as recited in claims 1, 17 and 33.

The second section of the Amerga provisional application refers to concept of time in Table 1, row 5, Section 4.2. relating to GSM cells, Table 4 rows 2 to 4, Table 5, column 2. However, none of these cited sections of the second section of the Amerga provisional application discloses or suggests a predetermined time pattern, which is used for adjusting control information. Therefore, Applicants respectfully assert that the

rejection under 35 U.S.C. §102(e) should be withdrawn because Amerga simply fails to teach or suggest each feature of claims 1, 17 and 33 34 and hence, dependent claims 2-16 and 18-32 thereon.

Claims 6 and 22 were rejected under 35 USC §103(a) as being obvious over Amerga in view of U.S. Patent Publication No. 2002/0173275 to Coutant. According to the Office Action, Amerga teaches all of the elements of claims 6 and 22 except for the use of different carrier frequency for planning a radio resource control method in a mobile communication system. Therefore, the Office Action combined Amerga and Coutant to yield all of the elements of claims 6 and 22. The rejection is traversed as being based on references that neither teach nor suggest the novel combination of features clearly recited in independent claims 1, 17, upon which claims 6 and 22 depend.

Claims 1 and 17 and Amerga have been discussed above. Coutant discloses a telecommunication network including at least one terminal able to switch from idle mode to dedicated mode in which a communication is established. The network also includes a plurality of cells on which the terminal can camp in idle mode or dedicated mode and which are controlled by base stations intended to manage such a switching when a communication is established. See at least the Abstract of Coutant.

Coutant does not cure any of the deficiencies of Amerga, with respect to claims 1 and 17 upon which claims 6 and 22 depend, as outlined above. Specifically, Coutant fails to teach or suggest receiving, in the user equipment, control information for controlling cell change procedures of the user equipment, the cell change being conducted from the

serving cell to a target cell, performing, in the user equipment, the cell change procedures based on the received control information, adjusting, before the control information is received, at least one element of the control information according to a predetermined time pattern, thus forming adjusted control information and controlling the cell change procedures based on the adjusted control information, wherein at least one neighbor cell is formed by a neighbor base station and the user equipment capable of receiving signals from the base stations, as recited in claims 1 and 17 upon which claims 6 and 22 depend. Therefore, Applicants respectfully assert that the rejection under 35 U.S.C. §103(a) should be withdrawn because neither Amerga nor Coutant, whether taken singly or combined, teaches or suggests the combination of features of claims 1 and 17 and hence dependent claims 6 and 22 thereon.

Claims 13, 15, 29, and 31 were rejected under 35 USC §103(a) as being unpatentable over Amerga in view of U.S. Patent Publication No. 2002/0147262 to Lescuyer. According to the Office Action, Amerga teaches all of the elements of claims 6 and 22 except for the idle states for planning a radio resource control method in a mobile communication system. Therefore, the Office Action combined Amerga and Lescuyer to yield all of the elements of claims 13, 15, 29, and 31. The rejection is traversed as being based on references that neither teach nor suggest the novel combination of features clearly recited in independent claims 1, 17, upon which claims 13, 15, 29, and 31 depend.

Claims 1 and 17 and Amerga have been discussed above. Lescuyer discloses allowing a single mode mobile terminal to support mobile assisted signal strength measurement operation in both a fixed frequency reuse based communication network and an adaptive channel allocation based communication network. See at least the Abstract of Lescuyer.

Lescuyer does not cure any of the deficiencies of Amerga, with respect to claims 1 and 17 upon which claims 13, 15, 29, and 31 depend, as outlined above. Specifically, Lescuyer fails to teach or suggest receiving, in the user equipment, control information for controlling cell change procedures of the user equipment, the cell change being conducted from the serving cell to a target cell, performing, in the user equipment, the cell change procedures based on the received control information, adjusting, before the control information is received, at least one element of the control information according to a predetermined time pattern, thus forming adjusted control information and controlling the cell change procedures based on the adjusted control information, wherein at least one neighbor cell is formed by a neighbor base station and the user equipment capable of receiving signals from the base stations, as recited in claims 1 and 17 upon which claims 13, 15, 29, and 31 depend. Therefore, Applicants respectfully assert that the rejection under 35 U.S.C. §103(a) should be withdrawn because neither Amerga nor Lescuyer, whether taken singly or combined, teaches or suggests the combination of features of claims 1 and 17 and hence dependent claims 13, 15, 29, and 31 thereon.

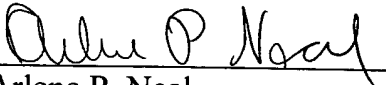


As noted previously, claims 1-34 recite subject matter which is neither disclosed nor suggested in the prior art references cited in the Office Action. It is therefore respectfully requested that all of claims 1-34 allowed, and this application passed to issue.

If for any reason the Examiner determines that the application is not now in condition for allowance, it is respectfully requested that the Examiner contact, by telephone, the applicants' undersigned attorney at the indicated telephone number to arrange for an interview to expedite the disposition of this application.

In the event this paper is not being timely filed, the applicants respectfully petition for an appropriate extension of time. Any fees for such an extension together with any additional fees may be charged to Counsel's Deposit Account 50-2222.

Respectfully submitted,

  
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